

What is claimed is :

- 5 1. An insulating label stock, comprising a thermal insulating layer having a thermal resistance in the range of 0.05 to 0.5 CLO (0.0077 to 0.077 m².K/W) which is laminated to a face material, wherein the label stock is at least 0.0075 inch (0.0190 cm.) thick.
- 10 2. The insulating label stock of claim 1, wherein the face material comprises at least one of film, paper or fabric.
- 15 3. The insulating label stock of claim 1, wherein the thermal insulating layer comprises a fiberfill batt.
- 20 4. The insulating label stock as in claim 1, further including a coating on the face material, wherein the coating is printable.
- 25 5. The insulating label stock of claim 1, wherein the label stock is sealed at its edges.
- 30 6. The insulating label stock of claim 2, wherein the film is made of a thermoplastic material comprising polyester polyethylene or polypropylene.
- 35 7. The insulating label stock of claim 1, wherein the face material is modified on the surface facing away from the thermal insulating layer to facilitate printing thereon.
- 40 8! The insulating label stock of claim 1, wherein the face material is modified on the surface facing away from the thermal insulating layer to facilitate bonding to another surface with an adhesive.
- 45 9. The insulating label stock of claim 1, wherein the thermal insulating layer comprises an organic thermoplastic fiber based material comprising polyester, polyethylene or polypropylene.

5 or
or traverse

11

Sent B1

10. The insulating label stock of claim 1,
wherein the thermal insulating layer comprises foam.

AMZ

5 11. An insulating label stock having a thickness
of at least 0.0075 inch (0.0190 cm.), comprising a
thermal insulating layer which is laminated to at least
one sheet of a coextruded film which comprises a first
layer and a second layer, wherein the first layer and
the second layer are made of different materials, and
10 the second layer has a lower melting temperature than
the material of the first layer, so that when the face
material is heated, the second layer softens and
adheres to the thermal insulating layer when pressure
is applied.

15 12. A container/insulating label stock system,
comprising a container wrapped with an insulating label
stock so as to cover a significant portion of the
surface area of the container, wherein the label stock
comprises a thermal insulating layer having a thermal
20 resistance in the range of 0.05 to 0.5 CLO (0.0077 to
0.077 m².K/W) which is laminated to a face material,
wherein the label stock is at least 0.0075 inch (0.0190
cm.) thick.

25 13. The container/insulating label stock system
of claim 12, wherein the container is a can or bottle
suitable for safe storage and consumption of beverages
and foods.

30 14. A method for making an insulating label
stock, wherein a sheet of a thermal insulating layer
and at least one sheet of face material are fed into a
heated calendar roll nip which causes the surface of
the thermal insulating layer and the surface of the
face material to adhere to each other, followed by
cutting to desired widths with a hot knife which seals

the edges of the thermal insulating layer and the face material.

15. The method of claim 14, wherein the thermal
5 insulating layer is a fiberfill batt which is fed
between two sheets of face material into the heated
calendar roll, which causes the surfaces of the
fiberfill batt and the face material to adhere to each
other.

10 16. The method of claim 14, wherein an adhesive
is interposed between the face material and the thermal
insulating layer.

17. The method of claim 14, wherein the thermal
insulating layer is a card web.

ADD A3